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Information for Authors

Developmental Biology will publish in English original papers bearing on problems of development in the broadest sense; it will contain papers dealing with embryonic and post-embryonic development, growth, regeneration, and tissue repair, both of plants and animals. The journal will serve as meeting ground for studies on development employing techniques of a wide range of disciplines, e.g., biochemistry, biophysics, cytology, experimental morphogenesis, teratology, genetics, immunology, microbiology, pathology, pharmacology and physiology.

Articles should not exceed 15,000 words and should be accompanied by an abstract that gives, in 200 words or less, a synopsis of the work including methods and results. *Brief Notes* must not exceed 2000 words. The usual format is: abstract, introduction, methods and materials, results, and discussion, but authors are encouraged to present their material in the most logical and appropriate form. Indicate the address for galley proof. In order to save time, page proofs will not be sent to authors. Our aim is to keep the publication time less than 6 months. Two copies of the manuscript (the original and one carbon) and two copies of the figures should be mailed to Dr. Elizabeth Hay, Department of Anatomy, Harvard Medical School, Boston, Massachusetts 02115.

Manuscripts should be concise and consistent in style, spelling, and use of abbreviations. They must be typewritten, double-spaced, on one side of white bond paper about 8-1/2 x 11 inches in size, with the pages numbered consecutively. Include with full length articles a running page headline not exceeding 35 letters and spaces. Use footnotes sparingly, if at all. Cite them, using superscript numbers, in consecutive order in the text. Type them consecutively on a separate sheet. Acknowledgments and figure legends should also be typed, double-spaced, as separate sections.

Tables should be used to condense data referred to in the text. They should be typed on separate pages, numbered consecutively with Arabic numerals in order of mention in the text, and collected at the end of the manuscript. Give each table a concise, descriptive heading. Tables should be so composed that the material they contain can be grasped without reference to the text.

Figures should be numbered consecutively in the order of their appearance and each should have a descriptive legend. Indicate magnifications. Line drawings should be made with India ink on smooth white paper or the equivalent. Where original drawings for the printer's use are larger in size than 8-1/2 x 11, enclose smaller, unmounted prints for editorial use. Photographs should be unmounted, actual size, labeled and ready for half-tone reproduction. Use glossy prints with strong contrast; photo-offset printing reduces contrast. When several figures make up a plate, mount them on the back of a piece of photographic paper or indicate in some other way how they should be mounted. Use cardboard only to protect the package in mailing. The engraver will tool thin white lines between mounted figures later. Maximum size for figures is 5-1/2" x 8" for double column and 2-5/8" x 8" for single column. Where large micrographs are especially helpful, the full page may be utilized (6-7/8" x 10"). To allow for trimming by the printer, add 1/8" to width and 1/4" to length of the original print, and place lettering, including figure numbers, no closer than 3/4" to the margin. Figure numbers and lettering should be uniform size, 4-7 mm high. Indicate on the galley proof where the figures are to be placed. Mark all figures with the author's name and address. The author will defray the expense for colored plates. Two pages of half-tone figures per article will be published without cost to the author; a charge of \$50 per page will be required for pages in excess of this number. Fifty gratis reprints are supplied. Additional reprints may be ordered when galley proof is returned.

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Developmental Aspects of the Cell Cycle

Edited by **IVAN L. CAMERON**

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The theme of this book is one of the central problems of cell and developmental biology: the mechanisms involved in the regulation of cell proliferation and differentiation. This problem is the key to understanding both normal cell growth and specialization which take place in development, and the abnormal states which occur in developmental defects and cancer. The contributors to the book have dealt with this theme at several levels of biological organization, including the molecular, the organellar, the cellular, and the organismic. Although brief historical, theoretical, and methodological background information has been introduced for each cell system, the authors have attempted to limit their chapters to the central theme. Some of the major questions dealt with are:

- Is there antagonism between the ability of cells to proliferate and to differentiate?
- Is a cell state caused by a microenvironment which the cell itself produces in a series of mitotic and growth steps?
- Is the external environment alone enough to program cell differentiation, or are there internal, temporal genes which control cell proliferation and differentiation?

The book contains much new information concerning developmental aspects of the cell cycle, and brings us closer to the point at which we will be able to relate the ability of a cell to differentiate with its position in the cell cycle. It will be of great interest to all students of the life sciences, in particular to cell and developmental biologists, biochemists, geneticists, physiologists, biophysicists, microbiologists, and anatomists.

1971, 394 pp., \$19.50

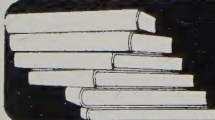
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